# Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 06:00 on Thursday 05 Aug 2021 until 23:59 on Friday 06 Aug 2021

Forecast Issued on Thursday 05 Aug 2021 at 01:19

**Confidence:** High for unsettled conditions dominating, with showers and some longer spells of rain, some of which could be heavy and thundery. Less unsettled conditions likely by Monday.

**Headline for Thursday 05 Aug 2021:** Dry at first. Rain moving east after mid-morning, some heavy, and perhaps turning thundery.

**Mountain weather hazards on Thursday 05 Aug 2021**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy Snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>No Likelihood | **Poor visibility**<br>High Likelihood |
| **Thunderstorms**<br>Low Likelihood | **Heavy persistent rain**<br>Medium Likelihood | **Strong sunlight**<br>Low Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Cloudy | Light rain | Heavy Rain | Heavy Rain | Heavy rain showers | Heavy rain showers (night) |
| Precipitation probability | | | | | |
| 10% | 40% | 90% | 80% | 50% | 50% |

**Forecast for Thursday 05 Aug 2021**

**Weather:** Dry start but cloud increasing from the west, with outbreaks of rain arriving from mid-morning. Some heavy bursts of rain mixed in, with a chance of thunderstorms developing in the afternoon and evening.

**Chance of cloud free mountain/hill tops above 600m:** 90% at first falling to 20% by evening.

**Visibility:** Generally very good at first, with cloud above the hills, but becoming more variable from mid-morning as outbreaks of rain spread east. Periods of cloud developing above 500m through the afternoon, perhaps lowering to 300m through the evening.

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# Mountain Weather Forecast

**Forecast for Thursday 05 Aug 2021**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 13/18 SE | 16/23 SE | 19/28 S | 19/28 SE | 19/29 SE | 16/25 SE | 12/19 S |
| **300** | 5/16 SE | 12/23 SE | 14/27 S | 13/27 SE | 13/28 SE | 11/24 SE | 8/17 SE |
| **Valley** | 6/15 SE | 10/22 SE | 13/27 SE | 11/26 SE | 12/27 SE | 10/23 SE | 6/14 SE |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 12/9 | 13/10 | 14/10 | 12/9 | 12/8 | 12/9 | 12/10 |
| **300** | 13/13 | 16/14 | 16/14 | 14/12 | 14/12 | 14/12 | 14/12 |
| **Valley** | 15/14 | 18/16 | 18/15 | 16/14 | 15/13 | 15/13 | 15/14 |
| **Freezing Level*** | 2400m | 2200m | 2400m | 2700m | 2700m | 2700m | 2700m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Conditions deteriorate after mid-morning with some heavy rain, lowering cloud bases and freshening winds developing. The chance of lightning strikes increases through the afternoon and into the evening.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 02:00 on Thu 05 Aug 2021 | 13.6mm | 14.6mm | 14.6mm |

**Forecast for Friday 06 Aug 2021**

**Weather:** Rain/showers probably becoming more scattered for a time in the overnight period, before becoming frequent through daytime on Friday. The showers likely to be heavy, with hail, thunder/lightning likely.

**Maximum wind:** Southwest 15-20mph, gusts 30mph.

**Chance of cloud free mountain/hill tops above 600m:** 30% at first becoming 70% by afternoon.

**Visibility:** Areas of cloud likely above 400-500m at first, but generally lifting above most summits by afternoon, with good visibility beneath outside of showers. However, temporary and perhaps rapid deteriorations to be expected in heavy showers.

**Temperature:** **Valleys:** Plus 13 Celsius at first rising to Plus 17 Celsius by afternoon.
**At 600m:** Plus 12 Celsius.
**Freezing level:** Above summits.

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